PROPEL

BATTERY WARNINGS

RECHARGEABLE BATTERY:

This helicopter uses an internal Li-Poly rechargeable battery and is not replaceable. If battery no longer stays charged, dispose of it properly according to local disposal requirements.

CARE AND MAINTENANCE

- Always remove the batteries from the wireless infrared remote control when it is not being used for an extended period of time.
- To clean, gently wipe the remote control and helicopter with a clean, damp cloth.
- Keep the toy away from direct heat or sunlight.
- Do not submerge the toy in water.
- Parental guidance recommended when installing or replacing the batteries.

FCC Part 15 B Notice

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions :
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Conforms to safety requirements of ASTM, CPSIA and FCC.

PROPEL RC™ and ATOM I™ are trademarks of Rooftop Brands.
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The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.
iPhone®, iPad®, and iPod touch® are registered trademarks of Apple Inc.

Colors and styles may vary.

Made in China

PROPEL

ATOM I

3-CHANNEL HELICOPTER
WITH GYRO STABILIZATION

⚠WARNING!
CHOKING HAZARD - Small parts.
Not suitable for children under 3 years.

USER MANUAL

WARNING: ATOM I™ is an indoor helicopter controlled using **BLUETOOTH®** wireless technology. Your ATOM I™ helicopter is not suited to handle wind or other outdoor environmental conditions. Attempting to fly this helicopter outdoors may lead to severe damage.

THIS PACKAGE CONTAINS:

Helicopter

USB Charging Cable

Spare Parts

Instruction Manual

Colors and styles may slightly vary.

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COMPATIBLE **BLUETOOTH®** ENABLED DEVICES
iPhone 3G®, iPhone 3GS®, iPhone 4®, iPhone 4S®, iPhone 5®, iPod touch® (3rd, 4th and 5th generation), iPad2®, the new iPad® (3rd and 4th generation) and iPad mini®.

Note: Apple® devices require the use of iOS 4.2.2 or higher.

Thank you for purchasing the ATOM I ™ 3-Channel Gyro Helicopter controlled using BLUETOOTH® wireless technology. Please read this instruction booklet carefully as it contains valuable information on how to properly fly and care for your helicopter.

FEATURES

- BLUETOOTH® enabled helicopter works with Apple® iOS
- Free app download from Apple® App Store
- Uses both manual and gesture control
- Built-in gyroscopic chip for extreme stability and control
- Rechargeable Li-poly battery included
- 7-way control: fly up, down, left, right, forward, backwards and hover
- Bright LED light can be turned on/off remotely

CHARGING THE HELICOPTER

1. Make sure the helicopter power switch is set to the OFF position.
2. Connect the round charging pin on the included USB charging cable to the socket on the underside of the helicopter (See diagram B.)
3. Plug the other end of the USB cable into an open USB port on your computer. Make sure your computer is turned on to begin charging.
4. The USB plug lights red when charging is complete. During charging, the USB plug does not light up. (See diagram C). USB charging time may vary depending on the amount of charge needed to fill the helicopter battery. The average USB charging time is 40-50minutes.

A. B. C.

IMPORTANT: ALWAYS DISCONNECT THE USB CHARGING CABLE AFTER CHARGING. NEVER LEAVE THE CHARGER CONNECTED TO THE HELICOPTER OVERNIGHT OR FOR EXTENDED PERIODS OF TIME.

PROPEL ATOM I™ APP INSTALLATION

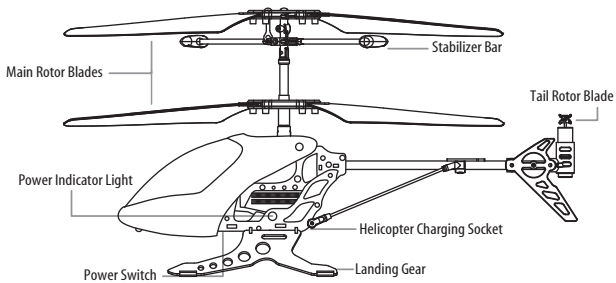
1. Make sure you are using a compatible Apple® iOS device. **Refer to page (1) for list of compatible devices.**
2. Make sure your device has access to the Internet.
3. Within the App Store, search and select "ATOM I". Hit the Install button and the " ATOM I" app should download and install automatically. *Note: You must enter the word "ATOM" then space, then the capitol letter "I".*
4. After the "ATOM I" app is installed, it should create an icon on your screen. Click the ATOM I™ icon to run the App to make sure that it has installed correctly on your device. If not, please delete and repeat the process again.

PAIRING **BLUETOOTH®** DEVICES

1. After completely charging your helicopter, disconnect the USB charging cable from both your helicopter and the computer port/wall adapter. Switch on your helicopter.
2. In the *Settings* menu of your device, locate the BLUETOOTH® option.
3. Turn ON the BLUETOOTH® option.
4. Select "PROPEL ATOM I" from the Devices list. Wait for your helicopter to be connected. Return to the Main Menu.

*the Settings Symbol is a registered trademark of Apple

HELICOPTER DIAGRAM



PREPARING FOR FLIGHT

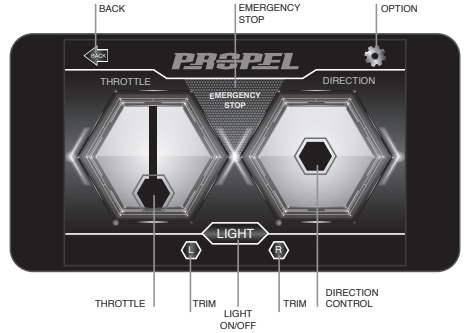
- Verify that the "ATOM I" app has been successfully installed on your device as instructed in "PROPEL ATOM I APP INSTALLATION" on page 2. Check to see that your helicopter has been fully charged.
- Make sure your helicopter is turned ON and is properly paired to your device (See Pairing BLUETOOTH® Devices section above).
- Make sure you are in a large room with an open radius of at least 25 feet. Close all windows and doors, turn off fans, and close air ducts or any other openings that may cause drafts in the room.
- Make sure the room is spacious and has a high ceiling. DO NOT ATTEMPT TO FLY YOUR HELICOPTER OUTDOORS. Set your helicopter on a clean flat surface before take-off.

NOTE: THE PROPEL **ATOM I ™ BLUETOOTH®** ENABLED HELICOPTER HAS TWO DIFFERENT CONTROL MODES. THE MANUAL CONTROL MODE IS EASIER TO USE AND IS MORE SUITABLE FOR BEGINERS. THE GESTURE MODE IS BETTER SUITED FOR MORE ADVANCED USERS.

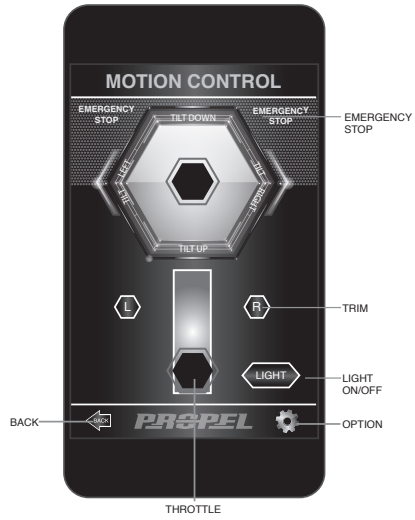
GETTING STARTED

START – Selecting this option will display the main menu.
MANUAL CONTROL –This allows you to fly using manual controls
Refer to app for further details.
MOTION CONTROL – This allows you to fly the helicopter by turning and twisting your BLUETOOTH® enabled controller device
Refer to app for further details.
OPTIONS – Allows you to choose between Beginner, Intermediate, and Advanced flying modes.
Refer to app for further details.
HELP – Selecting this option opens a menu with information on using, and troubleshooting this product.
Refer to app for further details.

MANUAL CONTROL DIAGRAM



MOTION CONTROL DIAGRAM



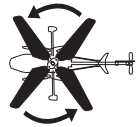
USING MANUAL CONTROLS

Below is a list of manual flight functions for your **ATOM I ™ BLUETOOTH®** enabled helicopter. While you're learning to fly your helicopter, it is best to start with a large room until you get used to the basic controls. As you master flying your helicopter you can move to motion control.

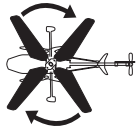
Move the Throttle up to increase the speed of the main rotor and the helicopter will rise.

Move the Throttle down to decrease the speed of the main rotor and the helicopter will descend.

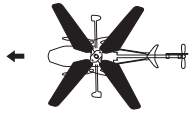
Move the Direction Control left to turn left.



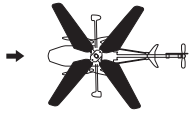
Move the Direction Control right to turn right.



Move the Direction Control up to move forward.

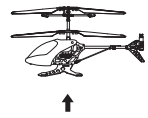


Move the Direction Control down to move backwards.

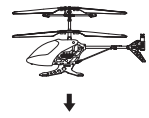


USING MOTION CONTROLS

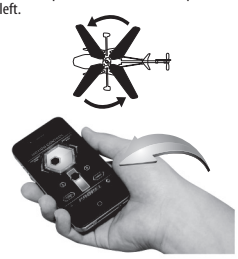
Move the Throttle forward to increase the speed of the main rotor and the helicopter will rise.



Move the Throttle backward to decrease the speed of the main rotor and the helicopter will descend.

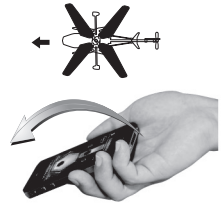


Tilt your smartphone left and the helicopter will turn left.



Tilt your smartphone right to turn right.

Tilt your smartphone top down and the helicopter will move forward.



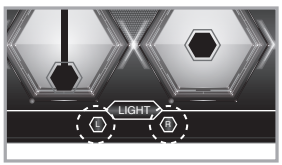
Tilt your smartphone bottom down to move backwards.

LIGHT button switches the helicopter's LED lights ON/OFF remotely.
EMERGENCY STOP button stops the helicopter blade from spinning. Use it when you lose control of your helicopter.

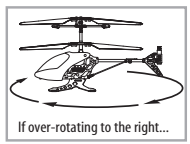
UNDERSTANDING HELICOPTER TRIM ADJUSTMENTS

If your helicopter over-rotates CLOCKWISE (to the right), push the LEFT trim button repeatedly until the turning stops and proper flight is maintained. If your helicopter over-rotates COUNTER-CLOCKWISE (to the left), push and release the RIGHT trim button in the same manner until the problem is resolved. Occasionally you may need to adjust the left and right trim to ensure the helicopter will fly straight and respond accurately to control commands.

Manual Control mode



Trim Controls

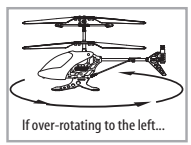


If over-rotating to the right...

L R Push left trim.

Gesture Control mode

Trim Controls



If over-rotating to the left...

L R Push right trim.

OPTIONS

BEGINNER – The helicopter will fly at slow speed, making it easy to control the helicopter.
INTERMEDIATE –The helicopter will fly at normal speed.
ADVANCED – The helicopter will fly at high speed. This mode is recommended for experts only.

FLYING TIPS

- Operate the helicopter in a wide, indoor space. You should allow at least a 25-foot radius. The helicopter is designed for INDOOR USE ONLY.
- Parental guidance or adult supervision is suggested at all times.
- If you are flying the helicopter with others, make sure all spectators are behind you.
- For best performance, operate the helicopter in zero wind conditions. Close all open doors or windows and turn off any nearby fans. Wind can greatly affect the performance of the helicopter.

TROUBLESHOOTING

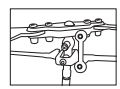
NOT RESPONDING

If your ATOM I™ helicopter is not responding you may need to reset the connection to your helicopter.
1. Ensure the helicopter is fully charged and in the ON position.
2. Repeat the steps for pairing with your smartphone. See Pairing **BLUETOOTH®** Devices section above.
3. Make sure the status says "Connected" and try again.

If you're still encountering difficulties contact our customer service department at +1.949.566.9573.

SPINNING LEFT OR RIGHT

If your ATOM I™ helicopter is unexpectedly spinning to the left or right when hovering, follow these diagnostic steps:
1. Inspect the blade system: Make sure the balancing beam is not bent. The balancing beam can simply be corrected by gently bending it in the opposite direction.
2. Verify that the connecting rod is properly attached.



Proper connection

3. Make sure there is no obstruction hindering the operation of the main rotor shaft.
4. Reset Trim settings: Turn off your helicopter and disconnect your Bluetooth connection. Turn the helicopter back on and re-establish Bluetooth connection. This resets your trim settings.
5. Using the manual control mode, carefully hover your helicopter in mid-air and trim your helicopter by pressing either your left or right trim button repeatedly until the rotating slows down and your helicopter begins to fly straight.

FLYING ERRATICALLY

Carefully inspect the entire blade system:
1. Make sure that your balancing beam is not bent or broken. If the balancing beam is bent you can usually correct the problem by gently bending it in the opposite direction. If the balancing beam is broken it will need to be replaced.
2. Check that your connecting rods are intact and not broken or missing.
3. Inspect the main rotor shaft; hold the base of the helicopter in your hand. Using the Manual Control mode,push the Throttle forward to spin the main rotor. Do you feel a strong vibration in the rotor system? If you do then your main rotor is most likely bent from impact. The main rotor system can be replaced by calling our customer service department at 1.949.566.9573.

HELICOPTER DOES NOT RESPOND OR CANNOT ACHIEVE LIFT-OFF

1. Make sure that your helicopter is fully charged, and then turn off the helicopter.
2. Disconnect the BLUETOOTH® connection from your smartphone and turn your smartphone off and on again.
3. Re-synch your BLUETOOTH® enabled helicopter and make sure your smartphone states "Connected," and then try again.
4. If helicopter is responding but cannot achieve lift-off, inspect the main rotor blade for obstructions.
5. If there is still no power contact our customer service department at 1.949.566.9573.

HELICOPTER WARNING AND SAFETY PRECAUTIONS

The helicopter blades revolve at high speeds and can hurt the user, spectators, and animals. Stand away from the helicopter to reduce the risk of getting into the flight path. Warn spectators that you will be flying your helicopter so that they are aware of its position. Before flight, inspect the rotor blades to make certain that the blades are securely fastened to the helicopter.

WARNINGS

- Choking/Cutting Hazard. Small Parts/Sharp Rotor Blades.
- Keep hands, hair, and loose clothing away from the propeller when the power switch is turned to the ON position.
- Turn off the helicopter when not in use.
- The USB charging cable is for the helicopter's Li-poly battery only. Do not use it to charge any other battery.
- Parental supervision recommended when flying helicopter.
- Make sure the helicopter power switch is set to the OFF position when you charging your helicopter, otherwise the charging process is failed.

IMPORTANT: ALWAYS DISCONNECT THE USB CHARGING CABLE AFTER CHARGING. NEVER LEAVE THE USB CHARGING CABLE CONNECTED TO THE HELICOPTER OVERNIGHT OR FOR EXTENDED PERIODS OF TIME.

REPAIR KIT CONTENTS:

(1) 1 upper propeller blade

(2) 1 bottom propeller blade

(3) 4 connecting rods

(4) 4 screws

ATOM I™ PROPELLER SYSTEM

Your ATOM I™ propeller system is a precision instrument that may need occasional repair or replacement for optimal flight function. Crash landing from high-speed aerial flights may damage your ATOM I™ propeller or propeller connecting rods.

TROUBLESHOOTING:

If your ATOM I™ loses its ability to fly correctly, inspect the propeller system carefully for the following two common issues:

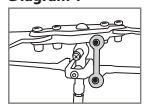
1. Replacing the Connecting Rod: The connecting rod is a small "handcuff" style part that stabilizes the "upper" propellers. There is one connecting rod on the upper propeller. **See Diagram 1.**

If a connecting rod is broken simply replace it by tearing off the existing broken unit and replacing it with a new one. You may apply some force to attach both ends of the new connecting rod. Make sure that the new connecting rod is secured and locked in place. **See Diagram 2**. Make sure there is no damage to the blades or arms that hold the connecting rod. If there is you must replace the entire blade system.

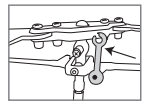
2. Replacing Upper and Bottom Propeller: The propeller is subject to damage as you learn to properly fly and control your ATOM I™. If after a crash your helicopter has loss of control or flies erratically you should carefully inspect your entire propeller system for any sign of damage. Most common are: cracked or chipped blade, broken connecting rod, and frozen balance bar (this is when the balancing bar and blade are jammed and can not move freely up and down). **See diagrams 3 through 12.**

Replacing The Connecting Rod

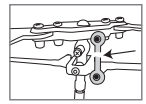
Diagram 1



There is one propeller connecting rod on the upper propeller.

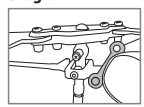


Broken connecting rod

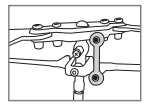


Broken connecting rod

Diagram 2



Replace the connecting rod



Proper connection

Replacing the Upper Propeller Blade

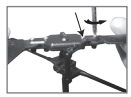


Diagram 3

Using a screwdriver turn counterclockwise to remove the screw.

Diagram 4

Remove the broken blade and carefully replace with a new one.

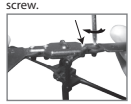


Diagram 5

Using the screwdriver turn clockwise to tighten the two screws.

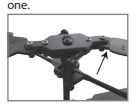


Diagram 6

When you tighten the screw you should test the blade to make sure that it still has free movement. Do not overtighten.

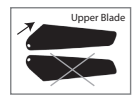


Diagram 7

Please note the design of the upper blade.

Replacing the Bottom Propeller Blade

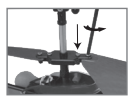


Diagram 8

Using a screwdriver turn counterclockwise to remove the screw.

Diagram 9

Remove the broken blade and carefully replace with a new one.

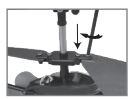


Diagram 10

Using the screwdriver turn clockwise to tighten the two screws.

Diagram 11

When you tighten the screw you should test the blade to make sure that it still has free movement. Do not overtighten.

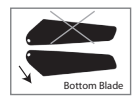


Diagram 12

Please note the design of the bottom blade.